

Title (en)

IMPROVED VIEWING DEVICE AND METHOD FOR PROVIDING VIRTUAL CONTENT OVERLAPPING VISUAL OBJECTS

Title (de)

VERBESSERTE BETRACHTUNGSVORRICHTUNG UND VERFAHREN ZUR BEREITSTELLUNG VON SICH ÜBERLAPPENDEN VISUELLEN OBJEKTEN

Title (fr)

DISPOSITIF DE VISUALISATION AMÉLIORÉ ET PROCÉDÉ DE FOURNITURE D'OBJETS VISUELS CHEVAUCHANT UN CONTENU VIRTUEL

Publication

EP 3864644 A1 20210818 (EN)

Application

EP 18786261 A 20181008

Priority

EP 2018077350 W 20181008

Abstract (en)

[origin: WO2020074059A1] A viewing device (100) comprising a controller (101), a transparent display (110) and a visual shutter (120), wherein the controller (101) is configured to determine a color of virtual content to be displayed; determine a background color contrasting the virtual content displayed; determine a display area corresponding to where the virtual content is to be displayed; cause the visual shutter (120) to enable a background to the virtual content to be displayed, the background having the contrasting background color thereby providing a contrasting background to the displayed virtual content (DVC); and to cause the transparent display (110) to display virtual content (DVC) for overlapping at least one visual object (VO) perceivable through the transparent display (110) at least partially onto the background. The visual shutter is configured to enable the background by operating in a mode wherein at least a portion of the visual shutter (120) is blocked so as to obstruct the visual object (VO) in the blocked portion (125) of the visual shutter (120).

IPC 8 full level

G09G 3/20 (2006.01); **G09G 3/00** (2006.01)

CPC (source: EP US)

G09G 3/001 (2013.01 - EP US); **G09G 3/2003** (2013.01 - EP); **G09G 3/36** (2013.01 - US); **G09G 2300/023** (2013.01 - EP); **G09G 2320/0666** (2013.01 - US); **G09G 2340/12** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020074059 A1 20200416; EP 3864644 A1 20210818; US 11663938 B2 20230530; US 11928991 B2 20240312; US 2021350730 A1 20211111; US 2023230513 A1 20230720

DOCDB simple family (application)

EP 2018077350 W 20181008; EP 18786261 A 20181008; US 201817283647 A 20181008; US 202318128090 A 20230329